

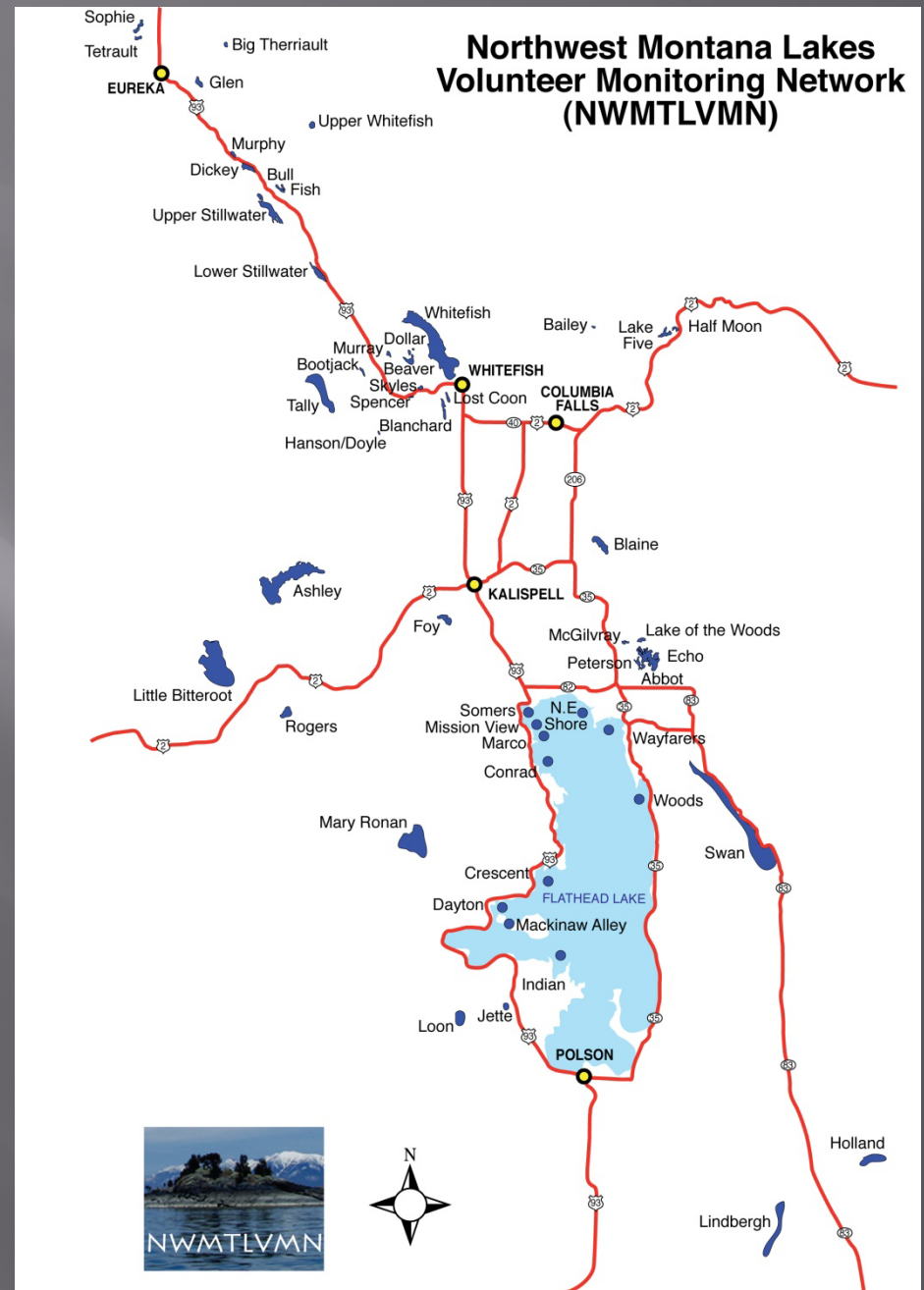
# Northwest Montana Lakes Volunteer Monitoring Network (NWMTLVMN)



# Geographic Scope

Data are collected on 40 lakes in Northwest Montana

- Citizen Concerns
- Access
- Land Ownership
- Land Use
- Recreational Opportunities



# Volunteer Training

Provide information and identification techniques on zebra and quagga mussels, EWM, flowering rush and curly leaf pondweed.

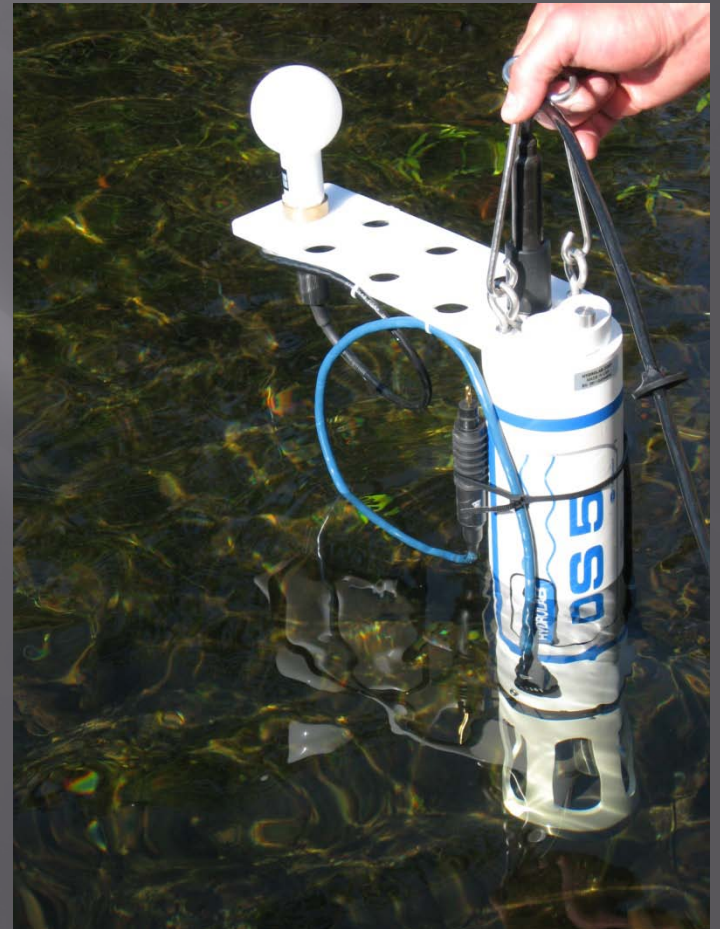




# Submitting Data Directly Through the NWMTLVMN Website

[www.nwmtlvmn.org](http://www.nwmtlvmn.org)

- Volunteer password for login
- Info on AIS
- Data collection methods
- Print field data forms
- Submit data online
- Unregistered users can submit



# Eurasian Watermilfoil





# EWM Found in the Flathead Basin



Beaver Lake, October 2011

# Conducting Lake Surveys for EWM

Using rake throws to survey 10 lakes annually for the presence of EWM.

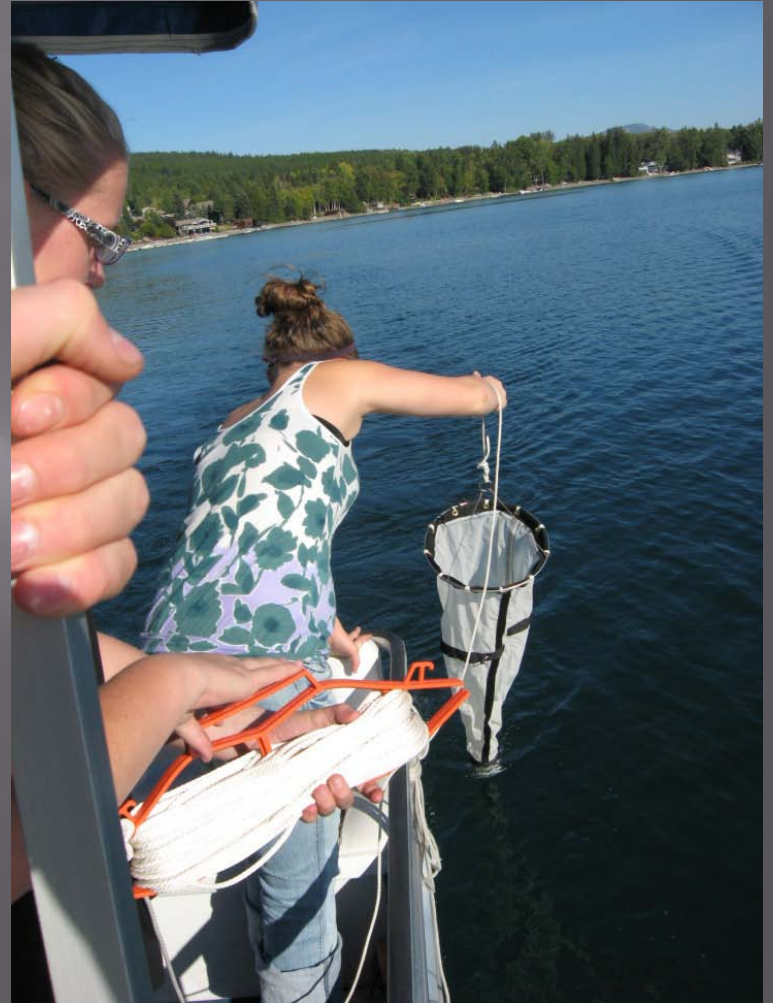




# Early Detection Monitoring

Veliger samples are collected once at each monitoring location between July 15<sup>th</sup> and August 15<sup>th</sup>

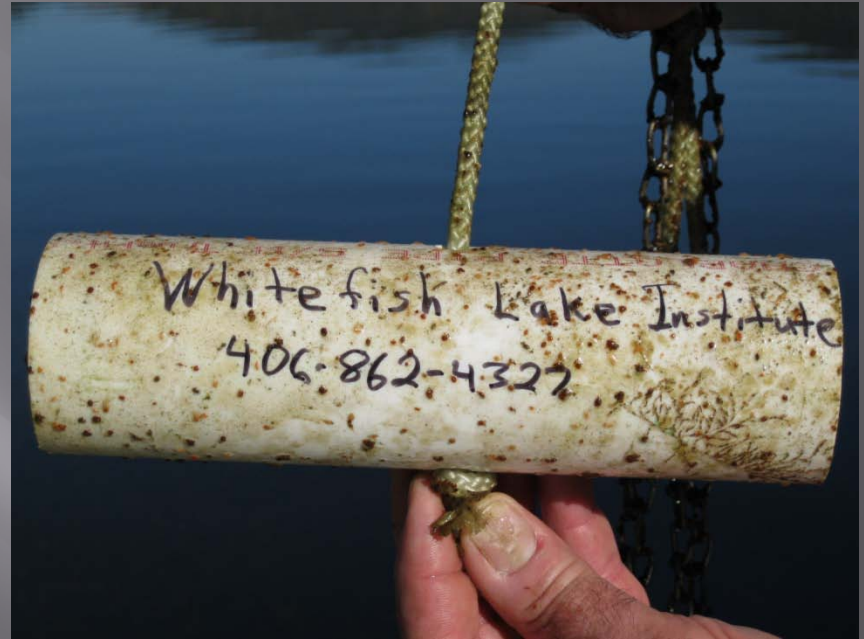
Collected samples are shipped to MFWP and then shipped to a lab for DNA and microscopy analysis





# Volunteer Monitoring

Artificial  
Substrates are  
checked twice per  
month for mussel  
colonization



Volunteers serve as the front line  
in protection against the threat of  
AIS

In 2011 67 volunteers spent more  
than 800 hours participating in the  
program







# Submitting an AIS Report

Anybody can file an AIS report through the [nwmtlvmn.org](http://nwmtlvmn.org) website.

Reports are stored within the database, and FWP receives a call to investigate a possible infestation.

Six reports were submitted through the website in 2011

Plants that are considered "suspect" are sent to MSU labs, and the department of agriculture for DNA analysis.

 NORTHWEST MONTANA LAKES VOLUNTEER MONITORING NETWORK 635 Denver Street Whitefish, MT 59937 Phone: 406.862.4327 <a href="http://www.nwmtlvmn.org">www.nwmtlvmn.org</a> <b>AQUATIC INVASIVE SPECIES DATA COLLECTION FORM</b>						
First name		Last name				
Date: (mm/dd/yy)		Time: (hh:mm)		<input type="radio"/> am <input type="radio"/> pm		
Mailing address		City		ZIP		
Phone #		Email address				
Lake name						
Nearest City		State				
If you have a GPS, please take a new reading even if you've sampled from this location before. Please set your GPS at NAD83 (ex., N48.37827, W114.36475)						
Location	Decimal		Deg		Min	Sec
	Latitude		Latitude			
	Longitude		Longitude			
Description of location and substrates examined						
Substrate type <input type="radio"/> Boulder <input type="radio"/> Cobble <input type="radio"/> Gravel <input type="radio"/> Sand <input type="radio"/> Silt <input type="radio"/> Muck <input type="radio"/> Artificial						
Method of survey <input type="radio"/> Scuba <input type="radio"/> Snorkel <input type="radio"/> Swim/Wade <input type="radio"/> Dock search <input type="radio"/> Shoreline walk						
How much time did you spend searching this location? (to be used as a cost share for future grants)				Time: (hh:mm) _____:_____		
Which of the following were found?						
						
<input type="radio"/> Zebra mussel ( <i>Dreissena polymorpha</i> )		<input type="radio"/> Quagga mussel ( <i>Dreissena rostriformis bugensis</i> )		<input type="radio"/> Eurasian Watermilfoil ( <i>Myriophyllum spicatum</i> L.)		
				<input type="radio"/> Other species? Please describe below:		
<input type="radio"/> Flowering Rush ( <i>Butomus umbellatus</i> L.)		<input type="radio"/> New Zealand Mudsail ( <i>Potamopyrgus antipodarum</i> )				
Comments: (please limit your comments to 500 characters or less)						
PLEASE MAIL YOUR COMPLETED FORM TO THE ADDRESS LISTED AT TOP OF PAGE.						



# Questions?



# Contacts

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